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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	3016.2.7	Total Pages	24
First Inventor : Dale S. Jensen			
Title: FLUID MIXING BLOCK			
Express Mail Label No.	ER540256780US		

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)
2. ☒ Applicant Claims Small Entity Status
3. ☒ Specification (Total Pages) 16
(Preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Application
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 USC 113) (Total Pages) 4
5. Oath or Declaration (Total Pages) 4
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation /divisional with Box 17 completed)
[Note Box 5 below]
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in prior application, see 37 CFR 1.63(d)(2)
and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Mail Stop Patent Application
P.O. Box 1450
Alexandria, VA 22313-1450

7. ☐ CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - ☐ I. CD-ROM or CD-R (2 copies); or
 - ☐ Paper
 - c. ☐ Statement verifying identify of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
if foreign priority is claimed
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2) (B) (i).
Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Express Mail Certificate

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:

19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label 36491
☐ Or Correspondence address below

NAME	Michael W. Starkweather				
ADDRESS	8 West 300 South, Suite 600				
CITY	Salt Lake City	STATE	Utah	ZIP	84111
COUNTRY	United States	TELEPHONE	(801) 994-4646	FAX	(801) 531-1929

Name: Michael W. Starkweather

 Registration No.
 (Attorney/Agent): 34,441
Signature: Michael W. StarkweatherDate: 1/15/04

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PTO/SB/05 (12/97)
Approved for use through 9/30/03. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL

Note: Effective October 1, 2001.
Patent fees are subject to annual revision.

Complete If Known

Applicati n Number	Not yet assigned
Filing Date	January 15, 2004
First Named Inventor	Dale S. Jensen
Group Art Unit	
Examiner Name	
Attorney Docket Number	3016.2.7

TOTAL AMOUNT OF PAYMENT \$ 385

METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:
- Deposit Account No.: _____
- Deposit Account Name: _____
- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 ☐ Charge the Issue Fee In 37 CFR at the Mailing of the Notice of Allowance ☐

2. ☒ Payment Enclosed:

☒ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1001	770	2001	385	Utility filing fee	385
		1002	340	2002	170	Design filing fee	
		1003	530	2003	265	Plant filing fee	
		1004	770	2004	385	Reissue filing fee	
		1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

2. CLAIMS

Total Claims	Extra	Fee from below	Fee Paid
7	-20 = 0	8	0
Ind. Claims 2	-3 = 0	43	0
Multiple Dep. Claims	0	280	0

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
		1202	18	2202	9	Claims in excess of 20
		1201	86	2201	43	Independent claims in excess of 3
		1203	290	2203	145	Multiple dependent claim
		1204	86	2204	43	Reissue independent claims over original patent
		1205	18	2205	9	Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

0

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1051	130	2051	65	Surcharge - late filing fee or oath	
		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
		1053	130	1053	130	Non-English specification	
		1812	2520	1812	2520	For filing a request for reexamination	
		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
		1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action	
		1251	110	2251	55	Extension for reply within first month	
		1252	420	2252	210	Extension for reply within second month	
		1253	950	2253	475	Extension for reply within third month	
		1254	1480	2254	740	Extension for reply within fourth month	
		1255	2010	2255	1005	Extension for reply within fifth month	
		1401	330	2401	165	Notice of Appeal	
		1402	330	2402	165	Filing a brief in support of an appeal	
		1403	290	2403	145	Request for oral hearing	
		1451	1510	1451	1510	Petition to institute a public use proceeding	
		1452	110	2452	55	Petition to revive -unavoidably	
		1453	1330	2453	665	Petition to revive - unintentional	
		1501	1330	2501	665	Utility issue fee	
		1502	480	2502	240	Design issue fee	
		1503	640	2503	320	Plant issue fee	
		1460	130	1460	130	Petitions to the Commissioner	
		1807	50	1807	50	Petitions related to provisional applications	
		1806	180	1806	180	Submission of Information Disclosure Stmt	
		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
		1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
		1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) _____

Other fee (specify) _____

*Reduced by Basic Filing Fee

SUBTOTAL (3)

SUBMITTED BY

Typed or Printed Name Michael W. Starkweather

Signature

Michael W. Starkweather

Date

Jan 15, 2004

Complete (if applicable)

Reg. Number 34,441

Deposit Account User ID

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

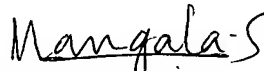
CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" Mailing Label No.: ER540256780US

Date of Deposit: January 15, 2004

I hereby certify that this patent application in the name of Dale S. Jensen, Edward E. Durrant, Shawn Rodeback, Wayne Boone, Chris Ryan and Matt Brain for FLUID MIXING BLOCK, together with the drawings, a Declaration, Power of Attorney, and Petition, an Information Disclosure Statement, PTO Form 1449, Copies of Cited References, and Check No.1167 for \$ 385.00 are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,



Mangala Shekar
Asst To Michael W. Starkweather

Date: January 15, 2004

Michael W. Starkweather
8 East 300 South, Suite 600
Salt Lake City, Utah 84111
Telephone: 801/994-4646